

**Substitute for Form 1449/PTO**

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

A circular stamp with the words "U.S. PATENT & TRADEMARK OFFICE" around the perimeter and "APR 05 2007" in the center.

Sheet 1 of 1 Attorney Docket Number 007765.P001

## **U.S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*Applicant's unique citation designation number (optional). \*See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. \*Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \*For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. \*Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

If you have questions in completing the form, call 1-800-PTO-2122 (1-800-776-2122) and select option 2.

Substitute for Form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

APR 05 2007

PAPER FEE PAID BY APPLICANT

Sheet

2

of

2

**Complete if Known**

Application Number	10/562,599
Filing Date	December 22, 2005
First Named Inventor:	Benjamin Guy Davis
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	007765.P001

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		DAVIS, BENJAMIN G., et al. "Controlled Site-Selective Glycosylation of Proteins by a Combined Site-Directed Mutagenesis and Chemical Modification Approach," American Chemical Society, J. Org. Chem., 1998, pp. 9614-9615, 63.	
		DAVIS, BENJAMIN G., et al. "Glycomethane thiosulfonates: powerful reagents for protein glycosylation," Tetrahedron: Asymmetry, 2000, pp. 245-262, 11.	
		DAVIS, BENJAMIN G. "Mimicking Posttranslational Modifications of Proteins," Science, Jan. 2004, pp. 480-482, Vol. 303.	
		DWEK, RAYMOND A. "Glycobiology: Toward Understanding the Function of Sugars," Chem. Rev., 1996, pp. 683-720, 96.	
		FIELD, LAMAR, et al. "Biologically Oriented Organic Sulfur Chemistry," J. Org Chem., 1971, pp. 309-313, Vol. 36, No. 2.	
		GAMBLIN, DAVID P., et al. "Glyco-SeS: Selenenylsulfide-Mediated Protein Glycoconjugation — A New Strategy in Post-Translational Modification," Angew. Chem. Int. Ed., 2004, pp. 828-833, Vol. 43, No. 7.	
		GAMBLIN, DAVID P., et al. "Glycosyl Phenylthiosulfonates (Glyco-PTS): novel reagents for glycoprotein synthesis," Org. Biomol. Chem., 2003, pp. 3642-3644, Vol. 1, No. 21.	
		JOHNSTON, BLAIR D., et al. "Synthesis of Thio-Linked Disaccharides by 1→2 Intramolecular Thioglycosyl Migration: Oxacarbenium versus Episulfonium Ion Intermediates," J. Org. Chem., 2000, pp. 4607-4617, Vol. 65, No. 15.	
		RAJCA, A., et al. "New Mixed Disulfides of L-Cysteine Derivatives and of Glutathione with Diethylthiocarbamic Acid and 2-Mercaptoethanesulfonic Acid," Arzneimittelforschung/ Drug Research, 1990, pp. 282-286, 40, No. 3.	
		RAJCA, ANDRZEJ, et al. "Synthesis of Unsymmetrical Disulfides with Thiolsulfonates Immobilised on a Polystyrene Support," Tetrahedron Letters, August 1990, pp. 6075-6076, 31, 42.	
		REICH, HANS J., et al. "Organoselenium Chemistry. Alkylation of Acid, Ester, Amide, and Ketone Enolates with Bromomethyl Benzyl Selenide and Sulfide: Preparation of Selenocysteine Derivatives," J. Org. Chem., 1986, pp. 2981-2988, Vol. 51, No. 15.	
		YAMADA, SHUNICHI, et al. "Syntheses of Thiamine Alkyl Disulfides," CAS XP002300619, 1954, pp. 963-966, 74 (Abstract).	

Examiner Signature	/Andrew D. Kosar/	Date Considered	04/12/2010
--------------------	-------------------	-----------------	------------

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English Translation is attached.  
 This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete to include gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-1999) and select option 2.

Based on Form PTO/SB/08B (08-03) as modified by BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP on 09/10/03.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /ADK/